

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L1 and parallel and pro\$8 and baye\$6	18

**Database:** US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:** L2

### Search History

**DATE:** Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.ccls. and neur\$4	292	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results - Record(s) 1 through 18 of 18 returned.

#### 1. Document ID: US 20030140020 A1

L2: Entry 1 of 18 File: PGPB Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140020  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030140020 A1

TITLE: Plausible neural network with supervised and unsupervised cluster analysis

PUBLICATION-DATE: July 24, 2003

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Yuan Yan	Woodbridge	VA	US	
Chen, Joseph	Woodbridge	VA	US	

US-CL-CURRENT: 706/15

#### 2. Document ID: US 20030105731 A1

L2: Entry 2 of 18 File: PGPB Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030105731  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030105731 A1

TITLE: Methods for selecting, developing and improving diagnostic tests for pregnancy-related conditions

PUBLICATION-DATE: June 5, 2003

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lapointe, Jerome	Oakland	CA	US	
DeSieno, Duane D.	La Jolla	CA	US	

US-CL-CURRENT: 706/15[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)**□ 3. Document ID: US 20010023419 A1**

L2: Entry 3 of 18

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023419

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023419 A1

TITLE: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING NEURAL NETWORK-RELATED APPLICATIONS

PUBLICATION-DATE: September 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LAPOINTE, JEROME	OAKLAND	CA	US	
DESIENO, DUANE	LA JOLLA	CA	US	

US-CL-CURRENT: 706/15[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)**□ 4. Document ID: US 6894639 B1**

L2: Entry 4 of 18

File: USPT

May 17, 2005

US-PAT-NO: 6894639

DOCUMENT-IDENTIFIER: US 6894639 B1

TITLE: Generalized hebbian learning for principal component analysis and automatic target recognition, systems and method

DATE-ISSUED: May 17, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katz; Alan Jerry	Dallas	TX		

US-CL-CURRENT: 342/90; 342/159, 342/175, 342/195, 342/27, 342/89, 706/15[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)**□ 5. Document ID: US 6763338 B2**

L2: Entry 5 of 18

File: USPT

Jul 13, 2004

US-PAT-NO: 6763338

DOCUMENT-IDENTIFIER: US 6763338 B2

TITLE: Machine decisions based on preferential voting techniques

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kirshenbaum; Evan R.	Mountain View	CA		

US-CL-CURRENT: 706/12; 706/13, 706/15

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KDDC](#) | [Drawn Ds](#)

---

6. Document ID: US 6757571 B1

L2: Entry 6 of 18

File: USPT

Jun 29, 2004

US-PAT-NO: 6757571

DOCUMENT-IDENTIFIER: US 6757571 B1

TITLE: System and process for bootstrap initialization of vision-based tracking systems

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Toyama; Kentaro	Redmond	WA		

US-CL-CURRENT: 700/47; 382/103, 382/104, 382/105, 700/28, 700/29, 700/30, 700/31,  
706/15, 706/16, 706/20

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KDDC](#) | [Drawn Ds](#)

---

7. Document ID: US 6708160 B1

L2: Entry 7 of 18

File: USPT

Mar 16, 2004

US-PAT-NO: 6708160

DOCUMENT-IDENTIFIER: US 6708160 B1

TITLE: Object nets

DATE-ISSUED: March 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Werbos; Paul J.	Arlington	VA	22203	

US-CL-CURRENT: 706/30; 706/15, 706/23

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KINIC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	-----------------------	--------------------------

---

8. Document ID: US 6687685 B1

L2: Entry 8 of 18

File: USPT

Feb 3, 2004

US-PAT-NO: 6687685

DOCUMENT-IDENTIFIER: US 6687685 B1

TITLE: Automated medical decision making utilizing bayesian network knowledge domain modeling

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sadeghi; Sarmad	Houston	TX		
Barzi; Afsaneh	Houston	TX		
Zarrin-Khameh; Neda	Houston	TX		

US-CL-CURRENT: 706/15; 600/300, 706/45, 706/924

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KINIC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	-----------------------	--------------------------

---

9. Document ID: US 6678669 B2

L2: Entry 9 of 18

File: USPT

Jan 13, 2004

US-PAT-NO: 6678669

DOCUMENT-IDENTIFIER: US 6678669 B2

TITLE: Method for selecting medical and biochemical diagnostic tests using neural network-related applications

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lapointe; Jerome	Oakland	CA		
DeSieno; Duane	La Jolla	CA		

US-CL-CURRENT: 706/15; 702/121, 702/123, 702/82

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KINIC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	-----------------------	--------------------------

---

10. Document ID: US 6650779 B2

L2: Entry 10 of 18

File: USPT

Nov 18, 2003

US-PAT-NO: 6650779

DOCUMENT-IDENTIFIER: US 6650779 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for analyzing an image to detect and identify patterns

DATE-ISSUED: November 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vachtesvanos; George J.	Marietta	GA		
Dorrity; Lewis J.	Marietta	GA		
Wang; Peng	Atlanta	GA		
Echauz; Javier	Mayaguez	PR		
Mufti; Muid	Rawalpindi Cantt			PK

US-CL-CURRENT: 382/228; 348/88, 348/92, 382/195, 382/218, 706/15[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Text](#) | [Claims](#) | [KWMC](#) | [Drawn](#) | [D](#) 11. Document ID: US 6601049 B1

L2: Entry 11 of 18

File: USPT

Jul 29, 2003

US-PAT-NO: 6601049

DOCUMENT-IDENTIFIER: US 6601049 B1

TITLE: Self-adjusting multi-layer neural network architectures and methods therefor

DATE-ISSUED: July 29, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: 706/15; 700/48, 700/49, 700/50, 706/2, 706/38, 706/6[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Image](#) | [Text](#) | [Claims](#) | [KWMC](#) | [Drawn](#) | [D](#) 12. Document ID: US 6556977 B1

L2: Entry 12 of 18

File: USPT

Apr 29, 2003

US-PAT-NO: 6556977

DOCUMENT-IDENTIFIER: US 6556977 B1

TITLE: Methods for selecting, developing and improving diagnostic tests for pregnancy-related conditions

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lapointe; Jerome	Oakland	CA		
DeSieno; Duane D.	La Jolla	CA		

US-CL-CURRENT: 706/15; 706/23, 706/45

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIFC](#) | [Drawn](#) | [Def](#)

---

13. Document ID: US 6553356 B1

L2: Entry 13 of 18

File: USPT

Apr 22, 2003

US-PAT-NO: 6553356

DOCUMENT-IDENTIFIER: US 6553356 B1

TITLE: Multi-view computer-assisted diagnosis

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Good; Walter F	Pittsburgh	PA		
Gur; David	Pittsburgh	PA		
Maitz; Glenn S.	Pittsburgh	PA		
Chang; Yuan-Hsiang	Pittsburgh	PA		
Zheng; Bin	Pittsburgh	PA		
Wang; Xiao Hui	Pittsburgh	PA		

US-CL-CURRENT: 706/15; 382/156

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIFC](#) | [Drawn](#) | [Def](#)

---

14. Document ID: US 6542878 B1

L2: Entry 14 of 18

File: USPT

Apr 1, 2003

US-PAT-NO: 6542878

DOCUMENT-IDENTIFIER: US 6542878 B1

TITLE: Determining whether a variable is numeric or non-numeric

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckerman; David E.	Bellevue	WA		

Rounthwaite; Robert L. Fall City WA  
Bernhardt; Jeffrey R. Woodinville WA

US-CL-CURRENT: 706/20; 706/15, 706/18, 707/4, 707/6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  [Claims](#) | [KMC](#) | [Drawn D.](#)

---

15. Document ID: US 6490571 B1

L2: Entry 15 of 18

File: USPT

Dec 3, 2002

US-PAT-NO: 6490571

DOCUMENT-IDENTIFIER: US 6490571 B1

TITLE: Method and apparatus for neural networking using semantic attractor architecture

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: 706/15; 342/90, 365/49

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  [Claims](#) | [KMC](#) | [Drawn D.](#)

---

16. Document ID: US 6304864 B1

L2: Entry 16 of 18

File: USPT

Oct 16, 2001

US-PAT-NO: 6304864

DOCUMENT-IDENTIFIER: US 6304864 B1

TITLE: System for retrieving multimedia information from the internet using multiple evolving intelligent agents

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Liddy; Elizabeth D.	Syracuse	NY		
Yu; Edmund Szu-Li	Dewitt	NY		

US-CL-CURRENT: 706/15

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  [Claims](#) | [KMC](#) | [Drawn D.](#)

17. Document ID: US 6278799 B1

L2: Entry 17 of 18

File: USPT

Aug 21, 2001

US-PAT-NO: 6278799

DOCUMENT-IDENTIFIER: US 6278799 B1

TITLE: Hierarchical data matrix pattern recognition system

DATE-ISSUED: August 21, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Efrem H.	Winnipeg, Manitoba			CA

US-CL-CURRENT: 382/159; 382/155, 382/156, 382/157, 706/15, 706/20

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KWMC</a>	<a href="#">Drawn D</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	----------------------	-------------------------

 18. Document ID: US 6009418 A

L2: Entry 18 of 18

File: USPT

Dec 28, 1999

US-PAT-NO: 6009418

DOCUMENT-IDENTIFIER: US 6009418 A

TITLE: Method and apparatus for neural networking using semantic attractor architecture

DATE-ISSUED: December 28, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: 706/15; 706/16, 706/25, 706/26, 706/27

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KWMC</a>	<a href="#">Drawn D</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	------------------------	----------------------	-------------------------

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>	<a href="#">Generate OACS</a>
-----------------------	-------------------------------------	-----------------------	--------------------------	---------------------------	-------------------------------

Terms	Documents
L1 and parallel and pro\$8 and baye\$6	18

Display Format: [-] Change Format

[Previous Page](#)    [Next Page](#)    [Go to Doc#](#)

## Refine Search

### Search Results -

Terms	Documents
L3 and neur\$4	20

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L4

Recall Text        Clear    Interrupt

Refine Search

### Search History

**DATE:** Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)**Set Name** **Query**

side by side

**Hit Count** **Set Name**

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L4</u>	L3 and neur\$4	20	<u>L4</u>
<u>L3</u>	software near converter	218	<u>L3</u>
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.ccls. and neur\$4	292	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate GACS</a>				

### Search Results - Record(s) 1 through 20 of 20 returned.

1. Document ID: US 20050090908 A1

L4: Entry 1 of 20

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, parallel processing with neural networks

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tamura, Raymond M.	Honolulu	HI	US	

US-CL-CURRENT: 700/4; 700/2, 700/3, 700/82

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KuMC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	----------------------	--------------------------

2. Document ID: US 20040203014 A1

L4: Entry 2 of 20

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203014  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040203014 A1

TITLE: Neurotransmission-associated proteins

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Honchell, Cynthia D.	San Francisco	CA	US	
Warren, Bridget A.	San Marcos	CA	US	
Borowsky, Mark L.	Needham	MA	US	
Griffin, Jennifer A.	Fremont	CA	US	
Li, Joana X.	Millbrae	CA	US	
Lee, Soo Yeun	Mountain View	CA	US	
Yue, Henry	Sunnyvale	CA	US	
Forsythe, Ian J.	Edmonton	CA	CA	

Marquis, Joseph P.	San Jose	CA	US
Gietzen, Kimberly J.	San Jose	CA	US
Baughn, Mariah R.	Los Angeles	CA	US
Tran, Uyen K.	San Jose	CA	US
Lehr-Mason, Patricia M.	Morgan Hill	CA	US
Tang, Y. Tom	San Jose	CA	US
Ramkumar, Jayalaxmi	Fremont	IL	US
Emerling, Brooke M.	Chicago	CA	US
Lee, Ernestine A.	Kensington	CA	US
Elliott, Vicki S.	San Jose	CA	US
Hafalia, April J.A.	Daly City	CA	US
Duggan, Brendan M.	Sunnyvale	CA	US
Chawla, Narinder K.	Union City	MD	US
Kable, Amy E.	Silver Spring	CA	US
Chang, Hsin-Ru	Belmont	CA	US
Khare, Reena	Saratoga	CA	US
Becha, Shanya D.	San Francisco	CA	US
Jin, Pei	Palo Alto	CA	US
Lee, Sally	San Jose		US

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full  Title  Citation  Front  Review  Classification  Date  Reference  Sequences  Attachments  Claims  KAO/C  Drawn D.

3. Document ID: US 20040115687 A1

L4: Entry 3 of 20

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040115687 A1

TITLE: Cell adhesion and extracellular matrix proteins

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yue, Henry	Sunnyvale	CA	US	
Lee, Ernestine A	Kensington	CA	US	
Duggan, Brendan M	Sunnyvale	CA	US	
Thangavelu, Kavitha	Sunnyvale	CA	US	
Honchell, Cynthia D	San Carlos	CA	US	
Ding, Li	Creve Coeur	MI	US	
Jackson, Jennifer L	Santa Cruz	CA	US	
Baughn, Mariah R	Los Angeles	CA	US	
Kallick, Deborah A	Galveston	TX	US	
Lee, Sally	San Jose	CA	US	

Warren, Bridget A	San Marcos	CA	US
Xu, Yuming	Mountain View	CA	US
Tran, Uyen K	San Jose	CA	US
Lal, Preeti G	Santa Clara	CA	US
Thornton, Michael B	Oakland	CA	US
Hafalia, April J A	Daly City	CA	US
Yao, Monique G	Mountain View	CA	US
Nguyen, Danniel B	San Jose	CA	US
Gandhi, Ameena R	San Francisco	CA	US
Khan, Farrah A	Des Plaines	IL	US
Chawla, Narinder K	Union City	CA	US
Griffin, Jennifer A	Fremont	CA	US
Chinn, Anna M	Sunnyvale	CA	US
Elliott, Vicki S	San Jose	CA	US
Ramkumar, Jayalaxmi	Fremont	CA	US
Arvizu, Chandra S	San Diego	CA	US
Forsythe, Ian J	Edmonton	CA	US

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KDDC](#) | [Drawn Ds](#)

4. Document ID: US 20040106211 A1

L4: Entry 4 of 20

File: PGPB

Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106211

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040106211 A1

TITLE: Intelligent electro-optical sensor array and method for analyte detection

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kauer, John S.	Weston	MA	US	
White, Joel E.	Millis	MA	US	

US-CL-CURRENT: 436/169; 422/58, 422/82.05, 422/82.08, 436/172

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KDDC](#) | [Drawn Ds](#)

5. Document ID: US 20040106125 A1

L4: Entry 5 of 20

File: PGPB

Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040106125 A1

TITLE: Neurotransmission-associated proteins

PUBLICATION-DATE: June 3, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Duggan, Brendan M	Sunnyvale	CA	US	
Honchell, Cynthia D	San Carlos	CA	US	
Ison, Craig H	San Jose	CA	US	
Thangavelu, Kavitha	Sunnyvale	CA	US	
Lu, Dyung Aina M	San Jose	CA	US	
Baughn, Mariah R	Los Angeles	CA	US	
Lal, Preeti G	Santa Clara	CA	US	
Yue, Henry	Sunnyvale	CA	US	
Tang, Y Tom	San Jose	CA	US	
Warren, Bridget A	San Marcos	CA	US	
Lee, Ernestine A	Castro Valley	CA	US	
Griffin, Jennifer A	Fremont	CA	US	
Forsythe, Ian J	Edmonton	CA	CA	
Chawla, Narinder K	Union City	CA	US	
Jiang, Xin	Saratoga	CA	US	
Jackson, Alan A	Los Gatos		US	

US-CL-CURRENT: 435/6; 424/143.1, 435/320.1, 435/325, 435/69.1, 530/350, 530/388.22

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWD](#) | [Draw](#)

## 6. Document ID: US 20040101851 A1

L4: Entry 6 of 20

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040101851

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040101851 A1

TITLE: Intelligent electro-optical nucleic acid-based sensor array and method for detecting volatile compounds in ambient air

PUBLICATION-DATE: May 27, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
White, Joel E.	Millis	MA	US	
Kauer, John S.	Weston	MA	US	

US-CL-CURRENT: 435/6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMIC](#) | [Drawn D.](#)

---

7. Document ID: US 20030017483 A1

L4: Entry 7 of 20

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030017483

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030017483 A1

TITLE: Modulation of molecular interaction sites on RNA and other biomolecules.

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ecker, David J.	Encinitas	CA	US	
Griffey, Richard	Vista	CA	US	
Crooke, Stanley T.	Carlsbad	CA	US	
Sampath, Ranga	San Diego	CA	US	
Swayze, Eric	Carlsbad	CA	US	
Mohan, Venkatraman	Carlsbad	CA	US	
Hofstadler, Steven	Oceanside	CA	US	

US-CL-CURRENT: 435/6; 702/20, 703/11

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMIC](#) | [Drawn D.](#)

---

8. Document ID: US 20020069220 A1

L4: Entry 8 of 20

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069220

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069220 A1

TITLE: REMOTE DATA ACCESS AND MANAGEMENT SYSTEM UTILIZING HANDWRITING INPUT

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tran, Bao Q.	San Jose	CA	US	

US-CL-CURRENT: 715/503

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMIC](#) | [Drawn D.](#)

9. Document ID: US 20010039275 A1

L4: Entry 9 of 20

File: PGPB

Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010039275

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010039275 A1

TITLE: Use of 2,4-diaminothiazole derivatives

PUBLICATION-DATE: November 8, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bowler, Andrew Neil	Vaerlose		DK	
Olesen, Preben Houlberg	Kobenhavn NV		DK	
Sorensen, Anders Robert	Herlev		DK	
Hansen, Bo Falck	Virum		DK	
Worsaae, Helle	Gentofte		DK	
Kurtzhals, Peter	Taastrup		DK	

US-CL-CURRENT: 514/235.5; 514/252.05, 514/255.05, 514/256, 514/257, 514/340,  
514/370, 544/133, 544/238, 544/333, 544/405, 546/270.7, 548/191

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	---------------------	--------------------------

 10. Document ID: US 6649416 B1

L4: Entry 10 of 20

File: USPT

Nov 18, 2003

US-PAT-NO: 6649416

DOCUMENT-IDENTIFIER: US 6649416 B1

TITLE: Intelligent electro-optical sensor array and method for analyte detection

DATE-ISSUED: November 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kauer; John S.	Weston	MA		
White; Joel E.	Millis	MA		

US-CL-CURRENT: 436/164; 422/82.06, 422/82.08

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	---------------------	--------------------------

 11. Document ID: US 6202060 B1

L4: Entry 11 of 20

File: USPT

Mar 13, 2001

US-PAT-NO: 6202060  
DOCUMENT-IDENTIFIER: US 6202060 B1

TITLE: Data management system

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran; Bao Q.	Houston	TX	77099	

US-CL-CURRENT: 707/3; 707/104.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn Ge](#)

---

12. Document ID: US 6157935 A

L4: Entry 12 of 20

File: USPT

Dec 5, 2000

US-PAT-NO: 6157935  
DOCUMENT-IDENTIFIER: US 6157935 A

TITLE: Remote data access and management system

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran; Bao Q.	Houston	TX	77099	
Anthony; Craig A.	League City	TX	77573	

US-CL-CURRENT: 715/503; 382/187

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn Ge](#)

---

13. Document ID: US 5598209 A

L4: Entry 13 of 20

File: USPT

Jan 28, 1997

US-PAT-NO: 5598209  
DOCUMENT-IDENTIFIER: US 5598209 A

TITLE: Method for automatically adjusting a video conferencing system camera

DATE-ISSUED: January 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Mays; Richard C.	Atlanta	GA		

Smith; Curtis M. Lawrenceville GA

US-CL-CURRENT: 348/211.12; 348/14.05, 348/14.1, 348/211.7, 348/211.8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

14. Document ID: US 5589878 A

L4: Entry 14 of 20

File: USPT

Dec 31, 1996

US-PAT-NO: 5589878

DOCUMENT-IDENTIFIER: US 5589878 A

TITLE: Method of determining an error in a video conferencing system camera

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/211.12; 348/14.1, 348/211.7, 348/211.8, 348/734

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

15. Document ID: US 5583565 A

L4: Entry 15 of 20

File: USPT

Dec 10, 1996

US-PAT-NO: 5583565

DOCUMENT-IDENTIFIER: US 5583565 A

TITLE: Method for automatically adjusting the pan and tilt of a video conferencing system camera

DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/211.9

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn Ds](#)

---

**□ 16. Document ID: US 5568183 A**

L4: Entry 16 of 20

File: USPT

Oct 22, 1996

US-PAT-NO: 5568183

DOCUMENT-IDENTIFIER: US 5568183 A

TITLE: Network videoconferencing system

DATE-ISSUED: October 22, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/14.05, 348/14.08, 348/211.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn	De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------	----

---

**□ 17. Document ID: US 5528289 A**

L4: Entry 17 of 20

File: USPT

Jun 18, 1996

US-PAT-NO: 5528289

DOCUMENT-IDENTIFIER: US 5528289 A

TITLE: Method for automatically adjusting a videoconferencing system camera to center an object

DATE-ISSUED: June 18, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/211.9; 348/14.05, 348/14.1, 348/211.12, 348/211.7, 348/211.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn	De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------	----

---

**□ 18. Document ID: US 5526037 A**

L4: Entry 18 of 20

File: USPT

Jun 11, 1996

US-PAT-NO: 5526037

DOCUMENT-IDENTIFIER: US 5526037 A

TITLE: Method for remotely controlling a peripheral device in a videoconferencing system

DATE-ISSUED: June 11, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/14.04, 375/220, 375/257, 710/11

Full | Title | Citation | Front | Review | Classification | Date | Reference |       Claims | KMC | Drawn D.

 19. Document ID: US 5515099 A

L4: Entry 19 of 20

File: USPT

May 7, 1996

US-PAT-NO: 5515099

DOCUMENT-IDENTIFIER: US 5515099 A

TITLE: Video conferencing system controlled by menu and pointer

DATE-ISSUED: May 7, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/14.03, 348/211.4

Full | Title | Citation | Front | Review | Classification | Date | Reference |       Claims | KMC | Drawn D.

 20. Document ID: US 20050090908 A1, WO 2005017647 A2

L4: Entry 20 of 20

File: DWPI

Apr 28, 2005

DERWENT-ACC-NO: 2005-196126

DERWENT-WEEK: 200529

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Parallel processing method in neural network system, involves transferring manipulated data from secondary chips to central processor, and processing by

manipulating data using Brownian motion equations and matrices or Bayes' equation

INVENTOR: TAMURA, R M

PRIORITY-DATA: 2003US-0602627 (June 25, 2003), 2003US-462323P (April 14, 2003),  
2002US-462323P (November 14, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20050090908 A1</u>	April 28, 2005		000	G05B019/18
<u>WO 2005017647 A2</u>	February 24, 2005	E	026	G06F000/00

INT-CL (IPC): G05 B 9/02; G05 B 19/18; G06 E 1/00; G06 E 3/00; G06 F 0/00; G06 F 15/18; G06 G 7/00; G06 N 3/02

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWC](#) | [Drawn D.](#)

[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

Terms	Documents
L3 and neur\$4	20

Display Format: [-] [Change Format](#)

[Previous Page](#) | [Next Page](#) | [Go to Doc#](#)

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L5 and parallel and pro\$8 and baye\$6	1

**Database:**

US.Pre-Grant Publication Full-Text Database  
 US.Patents Full-Text Database  
 US.OCR Full-Text Database  
 EPO.Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L6	Refine Search
<input style="margin-right: 20px;" type="button" value="Recall Text"/> <input type="button" value="Clear"/> <input type="button" value="Interrupt"/>	

### Search History

**DATE:** Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L6</u>	L5 and parallel and pro\$8 and baye\$6	1	<u>L6</u>
<u>L5</u>	700/4.cccls.	713	<u>L5</u>
<u>L4</u>	L3 and neur\$4	20	<u>L4</u>
<u>L3</u>	software near converter	218	<u>L3</u>
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.cccls. and neur\$4	292	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate GACS</a>				

### Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20050090908 A1

L6: Entry 1 of 1

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, parallel processing with neural networks

PUBLICATION-DATE: April 28, 2005

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tamura, Raymond M.	Honolulu	HI	US	

US-CL-CURRENT: 700/4; 700/2, 700/3, 700/82

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D.</a>
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	----------------------	--------------------------

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>	<a href="#">Generate GACS</a>
-----------------------	-------------------------------------	-----------------------	--------------------------	---------------------------	-------------------------------

Terms	Documents
L5 and parallel and pro\$8 and baye\$6	1

Display Format: [-] [Change Format](#)

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Refine Search

---

### Search Results -

Terms	Documents
L7 and language near translator	0

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L8	<input type="button" value="Refine Search"/>
<input type="button" value="Recall Test"/> <input type="button" value="Clear"/> <input type="button" value="Interrupt"/>	

---

### Search History

---

**DATE:** Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L8</u>	L7 and language near translator	0	<u>L8</u>
<u>L7</u>	parallel near pro\$8 and baye\$6	211	<u>L7</u>
<u>L6</u>	L5 and parallel and pro\$8 and baye\$6	1	<u>L6</u>
<u>L5</u>	700/4.ccls.	713	<u>L5</u>
<u>L4</u>	L3 and neur\$4	20	<u>L4</u>
<u>L3</u>	software near converter	218	<u>L3</u>
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.ccls. and neur\$4	292	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

---

### Search Results -

Terms	Documents
L7 and software near translator	0

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L9	<b>Refine Search</b>
----	----------------------





---

### Search History

---

**DATE: Tuesday, July 12, 2005** [Printable Copy](#) [Create Case](#)
Set Name    Query  
 side by side

Hit Count    Set Name  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

<u>L9</u>	L7 and software near translator	0	<u>L9</u>
<u>L8</u>	L7 and language near translator	0	<u>L8</u>
<u>L7</u>	parallel near pro\$8 and baye\$6	211	<u>L7</u>
<u>L6</u>	L5 and parallel and pro\$8 and baye\$6	1	<u>L6</u>
<u>L5</u>	700/4.ccls.	713	<u>L5</u>
<u>L4</u>	L3 and neur\$4	20	<u>L4</u>
<u>L3</u>	software near converter	218	<u>L3</u>
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.ccls. and neur\$4	292	<u>L1</u>

**END OF SEARCH HISTORY**

## Refine Search

---

### Search Results -

Terms	Documents
L13 and neur&5 and parallel near pro\$8	0

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L14	<input type="button" value="Refine Search"/>	<input type="button" value="Recall Text"/> <input type="button" value="Clear"/> <input type="button" value="Interrupt"/>
-----	--	--

---

### Search History

---

**DATE:** Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L14</u>	L13 and neur&5 and parallel near pro\$8	0	<u>L14</u>
<u>L13</u>	706/26-27.ccls.	305	<u>L13</u>
<u>L12</u>	software near converter	218	<u>L12</u>
<u>L11</u>	L10 and parallel near pro\$8 and baye\$6	0	<u>L11</u>
<u>L10</u>	software near convert	623	<u>L10</u>
<u>L9</u>	L7 and software near translator	0	<u>L9</u>
<u>L8</u>	L7 and language near translator	0	<u>L8</u>
<u>L7</u>	parallel near pro\$8 and baye\$6	211	<u>L7</u>
<u>L6</u>	L5 and parallel and pro\$8 and baye\$6	1	<u>L6</u>
<u>L5</u>	700/4.ccls.	713	<u>L5</u>
<u>L4</u>	L3 and neur\$4	20	<u>L4</u>
<u>L3</u>	software near converter	218	<u>L3</u>
<u>L2</u>	L1 and parallel and pro\$8 and baye\$6	18	<u>L2</u>
<u>L1</u>	706/15.ccls. and neur\$4	292	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

---

### Search Results -

Terms	Documents
Brownian near motion near equations	7

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L15	<input type="button" value="▼"/>	<input type="button" value="Refine Search"/>
-----	----------------------------------	--

---

### Search History

---

**DATE: Tuesday, July 12, 2005** [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR*

L15	Brownian near motion near equations	7	L15
L14	L13 and neur&5 and parallel near pro\$8	0	L14
L13	706/26-27.ccls.	305	L13
L12	software near converter	218	L12
L11	L10 and parallel near pro\$8 and baye\$6	0	L11
L10	software near convert	623	L10
L9	L7 and software near translator	0	L9
L8	L7 and language near translator	0	L8
L7	parallel near pro\$8 and baye\$6	211	L7
L6	L5 and parallel and pro\$8 and baye\$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur\$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro\$8 and baye\$6	18	L2

L1 706/15.ccls. and neur\$4

292 L1

END OF SEARCH HISTORY

## Hit List

**Clear**    **Generate Collection**    **Print**    **Fwd Refs**    **Bkwd Refs**  
**Generate GACS**

### Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20050119534 A1

L15: Entry 1 of 7

File: PGPB

Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050119534  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050119534 A1

TITLE: Method for predicting the onset or change of a medical condition

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Trost, Donald Craig	East Lyme	CT	US	
Freston, James W.	Avon	CT	US	
Ostroff, Jack	Groton	CT	US	

US-CL-CURRENT: 600/300; 128/920, 702/19

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWC](#) | [Drawn D.](#)

2. Document ID: US 20050103104 A1

L15: Entry 2 of 7

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050103104  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050103104 A1

TITLE: SYSTEM AND METHOD FOR DEMONSTRATING AND INVESTIGATING BROWNIAN MOTION EFFECTS ON A DIAMAGNETICALLY SUSPENDED PARTICLE

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Berstis, Viktors	Austin	TX	US	

US-CL-CURRENT: 73/382R

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWC](#) | [Drawn D.](#)

---

3. Document ID: US 20050090908 A1

L15: Entry 3 of 7

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, parallel processing with neural networks

PUBLICATION-DATE: April 28, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tamura, Raymond M.	Honolulu	HI	US	

US-CL-CURRENT: 700/4; 700/2, 700/3, 700/82[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

---

4. Document ID: US 20030110148 A1

L15: Entry 4 of 7

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030110148

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030110148 A1

TITLE: Intelligent mechatronic control suspension system based on soft computing

PUBLICATION-DATE: June 12, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ulyanov, Sergei V.	Crema		IT	
Panfilov, Sergei	Crema		IT	
Kurawaki, Ichiro	Iwata		JP	
Hagiwira, Takahide	Iwata		JP	

US-CL-CURRENT: 706/2; 706/15[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

---

5. Document ID: US 6701236 B2

L15: Entry 5 of 7

File: USPT

Mar 2, 2004

US-PAT-NO: 6701236

DOCUMENT-IDENTIFIER: US 6701236 B2

TITLE: Intelligent mechatronic control suspension system based on soft computing

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulyanov; Sergei V.	Crema			IT
Panfilov; Sergei	Crema			IT
Kurawaki; Ichiro	Shizuoka			JP
Hagiwira; Takahide	Shizuoka			JP

US-CL-CURRENT: 701/40; 280/5.504, 703/1, 703/2, 703/6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

6. Document ID: US 5581349 A

L15: Entry 6 of 7

File: USPT

Dec 3, 1996

US-PAT-NO: 5581349

DOCUMENT-IDENTIFIER: US 5581349 A

TITLE: Method for biological cell and particulate analysis

DATE-ISSUED: December 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halaka; Folim G.	Waukegan	IL	60085	

US-CL-CURRENT: 356/336; 250/222.2, 250/574, 356/244, 356/338, 356/440

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

7. Document ID: US 20050090908 A1, WO 2005017647 A2

L15: Entry 7 of 7

File: DWPI

Apr 28, 2005

DERWENT-ACC-NO: 2005-196126

DERWENT-WEEK: 200529

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Parallel processing method in neural network system, involves transferring manipulated data from secondary chips to central processor, and processing by manipulating data using Brownian motion equations and matrices or Bayes'equation

INVENTOR: TAMURA, R M

PRIORITY-DATA: 2003US-0602627 (June 25, 2003), 2003US-462323P (April 14, 2003),  
2002US-462323P (November 14, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20050090908 A1</u>	April 28, 2005		000	G05B019/18
<u>WO 2005017647 A2</u>	February 24, 2005	E	026	G06F000/00

INT-CL. (IPC): G05 B 9/02; G05 B 19/18; G06 E 1/00; G06 E 3/00; G06 F 0/00; G06 F 15/18; G06 G 7/00; G06 N 3/02

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Data](#) | [Reference](#) | [Claims](#) | [KINIC](#) | [Drawn D.](#)

[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

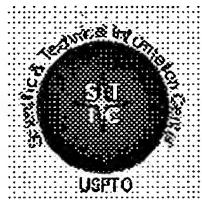
Terms	Documents
Brownian near motion near equations	7

Display Format: [-] [Change Format](#)

[Previous Page](#)    [Next Page](#)    [Go to Doc#](#)

[Home](#) | [Index](#) | [Resources](#) | [Contacts](#) | [Internet](#) | [Search](#)

## Scientific and Technical Information Center

[Patent Intranet](#) > [NPL Virtual Library](#)[Site Feedback](#)[| NPL Virtual Library Home](#) | [About STIC](#) | [STIC Catalog](#) | [Site Guide](#) | [EIC](#) | [Automation Training/ITRPs](#) | [Contact Us](#) | [STIC Staff](#) |  
[FAQ](#) |

### NPL Services for Examiners

Tuesday, July 12, 2005

STIC's mission is to connect examiners to critical prior art by providing information services and access to NPL electronic resources and print collections. A STIC facility is located in each Technology Center.

Most of the electronic resources listed on this site are accessed via the Internet. Please obey USPTO "Rules of the Road ([PDF Text](#))" when using Internet resources.

### Specialized Information Resources for Technology Centers

Select a Technology Center

### Information Resources and Services

- [List of Major E-Resources](#)
- [List of eJournal and eBook Titles](#)
- [Reference Tools](#)
- [Legal Resources](#)
- [Nanotechnology](#)
- [STIC Online Catalog](#)
- [PLUS System](#)
- [Foreign Patent Services](#)
- [Translation Services](#)
- [Trademark Law Library](#)

### Request STIC Services from your Desktop

- [Request a Search](#)
- [Request Delivery of a Book or Article](#)
- [Request Purchase of a Book/Journal](#)
- [Request Foreign Patent Document](#)
- [Request a Translation](#)
- [Request PLUS Search](#)

[Intranet Home](#) | [Index](#) | [Resources](#) | [Contacts](#) | [Internet](#) | [Search](#) | [Firewall](#) | [Web Services](#)

*Last modified 07/01/2005 07:02:07*



## Scientific and Technical Information Center

[Patent Intranet](#) > [NPL Virtual Library](#) > [EIC2100](#)

[Site Feedback](#)

| [NPL Virtual Library Home](#) | [About STIC](#) | [STIC Catalog](#) | [Site Guide](#) | [EIC](#) | [Automation Training/ITRPs](#) | [Contact Us](#) | [STIC Staff](#) |  
[FAQ](#) |



### TC2100: EIC Resources and Services

Tuesday, July 12, 2005

These resources and services provide examiners with access to critical prior art. Most of the electronic resources listed on this page are accessed via the Internet. Please obey USPTO "Rules of the Road ([PDF Text](#))" when using Internet resources.

indicates tools featured in TC's NPL training.

### Information Resources

#### Information Resources by Class and Subclass

##### **Databases**

[ACM Digital Library](#)

[Business Source Corporate](#)

(Multidisciplinary subject coverage)

[Dialog Classic on the Web](#)

(Training and password required.)

[DTIC STINET](#)

(Citations of Defense Technical Information Center scientific and technical documents)

[EEDD Submission Form](#)

[Examiners' Electronic Digest Database \(EEDD\)](#)

(Database of examiner submitted NPL)

[GrayLIT Network](#)

(Multidisciplinary database of scientific and technical information from DTIC, NASA, DOE, and EPA)

[IEEE Xplore](#)

(Full page images of over 800,000 Electrical & Electronic Engineering articles, papers and standards, 1988 - present. Select content is available from 1952-1987.)

[IEEE Xplore Tutorial](#)

[INSPEC](#)

(Seven million well-indexed physics, EE, and IT abstracts, 1969-present)

[IP.com](#)

(Defensive disclosures published to the Disclosures IP.com database from various websites)

[NTIS \(National Technical Information Service\)](#)

(resource for government-funded scientific, technical, engineering, and business related information)

[ProQuest Digital Dissertations](#)

[Proquest Direct](#)

(Multidisciplinary subject coverage)

[Research Disclosure](#)

(Published monthly as a paper journal and now as an online database product with advanced full

*(text searching capabilities for defensive disclosure information.)*

**ScienceDirect [Search Guide]**

*(scientific, technical, and medical journals)*

**Software Patent Institute (SPI) (Select "Free Access")**

*(Searchable database of Software Technologies.)*

**SPIE Digital Library**

*(journals and proceedings on optics and photonics)*

**STN on the Web** (training and password required)

*(The other link is via the Patent Examiner's Toolkit. On your computer, click on the START button, then on the PE Toolkit, then on STN Express.)*

**True Query**

*(A resurrected version of the old "Computer Select" database, providing full text access to over 100 technology focused publications, a glossary of technical terms, product reviews and over 60,000 product specifications from 1999 to the present. If html code appears on your screen, click browser's "Reload" or "Refresh" button.)*

## Books and Journals

 **Search STIC Online Catalog**

**InfoSECURITYnetBASE**

*(Information security)*

**Knovel**

*(Applied science and engineering)*

**NetLibrary.com**

*(Multidisciplinary subject coverage)*

**Safari Online Books**

*(Computer and information technology)*

**Springer Publishing Company**

*(biotech, physics, and computer journals)*

## Daily Newspapers

Fulltext newspaper articles are available electronically in Proquest Direct.

## CD-ROM Resources

Older full text NPL resources/articles received in CD-Rom format. These resources are available on EIC2100 PCs in CPK2, 4B40.

## Equipment

Fax (571-273-0044)

Optical Scanners

- Use OmniPage Pro software to scan your documents.

Power Mac G3

Photocopier

## Reference Tools

**Bartleby.com**

*(Several versions of Roget's Thesaurus, a dictionary, an encyclopedia, quotations, English usage books and more.)*

**Computer References**

*(Dictionaries, Acronyms Finders, Encyclopedias)*

**Efunda**

*(30,000 pages of engineering fundamentals and calculators)*

**Encyclopedia Britannica**

**Encyclopedia of Software Engineering**

**Eric Weisstein's World of Mathematics**

*(A comprehensive online encyclopedia of mathematics.)*

**HowStuffWorks**

(Search a term to find articles that explain how it works.)

**The Internet Encyclopedia****Over 2000 Glossary Links**

(Links to numerous technical, specialty, and general glossaries.)

**PCWebopedia****Thomas Register****Wiley Encyclopedia of Electrical and Electronics Engineering****Xreferplus****Yourdictionary.com**

(Numerous "specialty dictionaries"... technological, law, business related and more.)

**Services****EIC2100 Staff****Foreign Patent Services****PLUS****Request a PLUS Search**

[IFW case] [Paper case]

**Request a Book/Journal Purchase****Request a Book or Article****Request a Foreign Patent Publication**

[e-submit] [Printable form]

**Request a Search**

[e-submit] [Printable form]

Fast & Focused Search Criteria

**STIC Online Catalog****Translation Services****Web Resources****A Brief History of the Hard Disk Drive****CiteSeer (ResearchIndex)**

(Full text scientific research papers - in pdf and postscript formats.)

**Interfacebus.com**

(Listing of Electronic Interface Buses with links to standards and specifications.)

**Internet Engineering Task Force**

(The IETF Secretariat, run by The Corporation for National Research Initiatives with funding from the US government, maintains an index of Internet-Drafts.)

**Nanotechnology****PCI Specifications** (username: uspto; password: pat222)

("Peripheral Component Interconnect" specifications and white papers.)

**Requests for Comments (RFCs) Database**

(Requests for Comments (RFC) document series is a set of technical and organizational notes about the Internet (originally the ARPANET), beginning in 1969 and discussing many aspects of computer networking, including protocols, procedures and concepts as well as meeting notes and opinions.)

**Scirus****Usenet Archive (Google Groups)****Wayback Machine**

(Archived web pages.)

Submit comments and suggestions to [Anne Hendrickson](#)

To report technical problems, click [here](#)

---

[Intranet Home](#) | [Index](#) | [Resources](#) | [Contacts](#) | [Internet](#) | [Search](#) | [Firewall](#) | [Web Services](#)



1,171,917 documents online



## Welcome to IEEE Xplore

... delivering full text access to the world's highest quality technical literature in electrical engineering, computer science, and electronics.

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Help](#)

Welcome United States Patent and Trademark Office

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

### Browse

- » [Journals & Magazines](#)
- » [Conference Proceedings](#)
- » [Standards](#)

### Basic Search



(All Fields)

- » [Advanced Search](#)
- » [Author Search](#)
- » [CrossRef Search](#)

### Content Updates

Browse the latest update to see recently added content.

» [Latest Content Update](#)

### Alerts

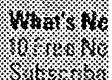
Register and access your tables of contents alerts.

» [Visit Alerts](#)

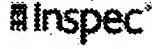
### Top 100 Documents

Find out the most accessed documents for the month.

» [View Top 100](#)



Indexed by



[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2005 IEEE -



Author Search

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#)

Welcome United States Patent and Trademark Office

BROWSE

SEARCH

IEEE XPLORE GUIDE

**OPTION 1**

Quick Find an Author:

Enter a name to locate articles written by that author.

tamura



Example: Enter Lockett S to obtain a list of authors with the last name Lockett and the first initial S.

**OPTION 2**

Browse alphabetically

Select a letter from the list.

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Select a name to view articles written by that author

<a href="#">Tamura A.</a>	<a href="#">Tamura D.</a>	<a href="#">Tamura</a>
<a href="#">Tamura E.</a>	<a href="#">Tamura E.</a>	<a href="#">Tamura</a>
<a href="#">Tamura I.</a>	<a href="#">Tamura J.</a>	<a href="#">Tamura</a>
<a href="#">Tamura K.</a>	<a href="#">Tamura K. R.</a>	<a href="#">Tamura</a>
<a href="#">Tamura L. R.</a>	<a href="#">Tamura M.</a>	<a href="#">Tamura</a>
<a href="#">Tamura O.</a>	<a href="#">Tamura P.</a>	<a href="#">Tamura</a>
<a href="#">Tamura S.</a>	<a href="#">Tamura S.-I.</a>	<a href="#">Tamura</a>
<a href="#">Tamura Y.</a>	<a href="#">Tamura Y.</a>	

[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE

Indexed by  
**Inspec**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results**[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "(tamura r.&lt;in&gt;au)"

 e-mail

Your search matched 7 of 1193303 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending order**.[» View Session History](#)[» New Search](#)[Modify Search](#)

(tamura r.&lt;in&gt;au)

[»](#) Check to search only within this results setDisplay Format:  Citation  Citation & Abstract**IEEE JNL** IEEE Journal or Magazine

Select Article Information

**IEE JNL** IEE Journal or Magazine**IEEE CNF** IEEE Conference Proceeding**IEEE CNF** IEE Conference Proceeding**IEEE STD** IEEE Standard**1. Analysis of mark-formation process for phase-change media**

Miyamoto, M.; Hirotune, A.; Miyauchi, Y.; Ando, K.; Terao, M.; Tokusyku, N.; Tamura  
Selected Topics in Quantum Electronics, IEEE Journal of  
Volume 4, Issue 5, Sept.-Oct. 1998 Page(s):826 - 831

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(740 KB\)](#) IEEE JNL**2. A More Than 4-Percent-Efficiency Solid-State Transmitter for a 4-GHz Radio Relay**

Kitahara, Y.; Kyuzaki, T.; Tamura, R.;  
Microwave Theory and Techniques, IEEE Transactions on  
Volume 22, Issue 12, Dec 1974 Page(s):1305 - 1308

[AbstractPlus](#) | [Full Text: PDF\(504 KB\)](#) IEEE JNL**3. Research on the creation of a sound field using a 2-loudspeaker mobile phone**

Tamura, R.; Hirawa, Y.; Hasegawa, H.; Kasuga, M.;  
TENCON 2004. 2004 IEEE Region 10 Conference  
Volume A, 21-24 Nov. 2004 Page(s):120 - 123

[AbstractPlus](#) | [Full Text: PDF\(2134 KB\)](#) IEEE CNF**4. Recording Characteristics And Reliability Of Novel Writable-cd Using A Au-Sn Al**

Tamura, R.; Hiratsuka, K.; Ohta, N.;  
Optical Memory and Optical Data Storage, 1993, Conference Digest., Joint International:  
5-9 July 1993 Page(s):97 - 98

[AbstractPlus](#) | [Full Text: PDF\(116 KB\)](#) IEEE CNF**5. A neuromagnetic source localization using 64 channel SQUID system and MRI**

Mino, K.; Masakiyo, F.; Niki, N.; Nishitani, H.; Tamura, R.;  
Nuclear Science Symposium and Medical Imaging Conference, 1993., 1993 IEEE Con  
31 Oct.-6 Nov. 1993 Page(s):1652 - 1656 vol.3

[AbstractPlus](#) | [Full Text: PDF\(360 KB\)](#) IEEE CNF**6. High-transfer-rate 4.7-GB DVD-RAM**

Miyamoto, M.; Ushiyama, J.; Umezawa, K.; Kashikura, A.; Tamura, R.;  
Optical Memory and Optical Data Storage Topical Meeting, 2002. International Sympo:  
7-11 July 2002 Page(s):416 - 418

[AbstractPlus](#) | [Full Text: PDF\(232 KB\)](#) IEEE CNF**7. More Than 4 Percent Efficiency Solid-State Transmitter for 4 GHz Radio Relay**



Kitahara, Y.; Kyuzaki, T.; Tamura, R.;  
Microwave Symposium Digest, 1974 S-MTT International  
Volume 74, Issue 1, Jun 1974 Page(s):334 - 336  
[AbstractPlus](#) | Full Text: [PDF\(312 KB\)](#) [IEEE CNF](#)



Indexed by  
**Inspec**

[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE -

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)**(2) OPTION 1**

Enter keywords or phrases, select fields, and select operators

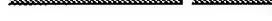
In All Fields

 AND 

In All Fields

 AND 

In All Fields

**(2) OPTION 2**

Enter keywords, phrases, or a Boolean expression

```
neural <near> network <and> parallel  
<near> processing
```

## » Publications

## » Select publications

- IEEE Periodicals
- IEE Periodicals
- IEEE Conference Proceedings
- IEE Conference Proceedings
- IEEE Standards

## » Select date range

## » Search latest content update (11)

From year  to

## » Display Format

Citation       Citation & Abstract

## » Organize results

Maximum Display  results per pageSort by In  order[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ...

Indexed by  
**Inspec**\*

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results**[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((neural &lt;near&gt; network &lt;and&gt; parallel &lt;near&gt; processing)&lt;in&gt;metadata) &lt;a...&gt;"

 e-mail

Your search matched 0 of 1193303 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending** order.[» View Session History](#)[» New Search](#)**Modify Search****» Key** **IEEE JNL** IEEE Journal or Magazine Check to search only within this results set**IEE JNL** IEE Journal or MagazineDisplay Format:  Citation  Citation & Abstract**IEEE CNF** IEEE Conference Proceeding**No results were found.****IEEE CNF** IEE Conference Proceeding

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revisir

**IEEE STD** IEEE Standard[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2005 IEEE ...

**Indexed by**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE XPLOR GUIDE](#)**(2) OPTION 1**

Enter keywords or phrases, select fields, and select operators

<input type="text"/>	In All Fields		
AND	<input type="text"/>	In All Fields	
AND	<input type="text"/>	In All Fields	

**(2) OPTION 2**

Enter keywords, phrases, or a Boolean expression

```
neural <near> network <and> parallel  
<near> processing<and> Brownian
```

- » Note: You may use the search operators <and> or <or> without the start and end brackets <>.
- » Learn more about [Field Codes](#), [Search Examples](#), and [Search Operators](#)

## » Publications

**C Select publications**

- IEEE Periodicals
- IEE Periodicals
- IEEE Conference Proceedings
- IEE Conference Proceedings
- IEEE Standards

## » Select date range

- Search latest content update (11)
- From year  to

## » Display Format

- Citation
- Citation & Abstract

## » Organize results

- Maximum
- Display  results per page
- Sort by
- In  order

[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ...

Indexed by  
**Inspec®**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results**[BROWSE](#)[SEARCH](#)[IEEE XPLORER GUIDE](#)

Results for "((neural &lt;near&gt; network &lt;and&gt; parallel &lt;near&gt; processing&lt;and&gt; brownian)&lt;i..."

 e-mail

Your search matched 0 of 1193303 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending order**.[» View Session History](#)[» New Search](#)**Modify Search****» Key** [»](#)

IEEE JNL IEEE Journal or Magazine

 Check to search only within this results set

IEE JNL IEE Journal or Magazine

Display Format:  Citation  Citation & Abstract

IEEE CNF IEEE Conference Proceeding

**No results were found.**

IEEE STD IEEE Standard

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revisir

[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ...

**Indexed by**  
**Inspec**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE XPLOR GUIDE](#)**(2) OPTION 1**

Enter keywords or phrases, select fields, and select operators

 In All Fields AND  In All Fields AND  In All Fields**(2) OPTION 2**

Enter keywords, phrases, or a Boolean expression

```
neural <near> network <and> parallel  
<near> processing <and> Brownian
```

## » Publications

## ④ Select publications

- IEEE Periodicals
- IEE Periodicals
- IEEE Conference Proceedings
- IEE Conference Proceedings
- IEEE Standards

## » Select date range

## ④ Search latest content update (11)

④ From year  to

## » Display Format

Citation       Citation & Abstract

## » Organize results

Maximum Display  results per pageSort by In  order[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ...

Indexed by  
**Inspec®**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results**[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((neural &lt;near&gt; network &lt;and&gt; parallel &lt;near&gt; processing &lt;and&gt; brownian)&lt;...&gt;"

Your search matched **0** of 1193303 documents.A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order. e-mail[» View Session History](#)[» New Search](#)**Modify Search**[» Key](#) [»](#) Check to search only within this results set**IEEE JNL** IEEE Journal or MagazineDisplay Format:  Citation  Citation & Abstract**IEE JNL** IEE Journal or Magazine**IEEE CNF** IEEE Conference Proceeding**IEE CNF** IEE Conference Proceeding**IEEE STD** IEEE Standard**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.

[Help](#) [Contact Us](#) [Privacy & ...](#)

© Copyright 2005 IEEE ...

**Indexed by**  
**Inspec**

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

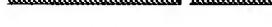
[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE Xplore GUIDE](#)**(2) OPTION 1**

Enter keywords or phrases, select fields, and select operators

 In All Fields AND  In All Fields AND  In All Fields**(2) OPTION 2**

Enter keywords, phrases, or a Boolean expression

```
neural <near> network <and> parallel  
<near> processing <and> Bayesian
```



» Note: You may use the search operators <and> or <or>  
without the start and end brackets <>.

» Learn more about [Field Codes](#), [Search Examples](#), and [Search Operators](#)

## » Publications

## » Select publications

- IEEE Periodicals
- IEE Periodicals
- IEEE Conference Proceeding
- IEE Conference Proceeding
- IEEE Standards

## » Select date range

 Search latest content update (11) From year  to 

## » Display Format

 Citation       Citation & Abstr:

## » Organize results

Maximum Display  results per paSort by In  order[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ...

Indexed by  
**Inspec®**


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results****BROWSE****SEARCH****IEEE XPLORE GUIDE**

Results for "((neural &lt;near&gt; network &lt;and&gt; parallel &lt;near&gt; processing &lt;and&gt; bayesian)&lt;...&gt;"

Your search matched 8 of 1193303 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance in Descending** order.
 e-mail
[» View Session History](#)[» New Search](#)**Modify Search****» Key**

»

IEEE JNL IEEE Journal or Magazine

 Check to search only within this results set

IEE JNL IEE Journal or Magazine

**Display Format:**  Citation  Citation & Abstract

IEEE CNF IEEE Conference Proceeding

 Select Article Information

IEE CNF IEE Conference Proceeding

- 1. **Joint solution of low, intermediate, and high-level vision tasks by evolutionary optimization of Application to computer vision at low SNR**  
Bhattacharjya, A.K.; Roysam, B.;  
Neural Networks, IEEE Transactions on  
Volume 5, Issue 1, Jan. 1994 Page(s):83 - 95  
[AbstractPlus](#) | Full Text: [PDF\(1284 KB\)](#) IEEE JNL
- 2. **Massively parallel image restoration**  
Menon, M.M.; Wells, W., III;  
Neural Networks, 1990., 1990 IJCNN International Joint Conference on  
17-21 June 1990 Page(s):511 - 516 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(748 KB\)](#) IEEE CNF

IEEE STD IEEE Standard

- 3. **Convergence of Kohonen's learning vector quantization**  
Baras, J.S.; LaVigna, A.;  
Neural Networks, 1990., 1990 IJCNN International Joint Conference on  
17-21 June 1990 Page(s):17 - 20 vol.3  
[AbstractPlus](#) | Full Text: [PDF\(196 KB\)](#) IEEE CNF

- 4. **Using Bayesian networks for Incorporating probabilistic a priori knowledge into intelligent machines**  
Myllymaki, P.;  
Southcon/94. Conference Record  
29-31 March 1994 Page(s):97 - 102  
[AbstractPlus](#) | Full Text: [PDF\(480 KB\)](#) IEEE CNF

- 5. **A parallel hybrid genetic algorithm simulated annealing approach to finding most likely explanations on Bayesian belief networks**  
Abdelbar, A.M.; Hedetniemi, S.M.;  
Neural Networks, 1997., International Conference on  
Volume 1, 9-12 June 1997 Page(s):450 - 455 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(484 KB\)](#) IEEE CNF

- 6. **Radar detection of hidden targets**  
MacDonald, D.; Isenman, J.; Roman, J.;  
Aerospace and Electronics Conference, 1997. NAECON 1997., Proceedings of the IEEE  
Volume 2, 14-17 July 1997 Page(s):846 - 855 vol.2

[AbstractPlus](#) | Full Text: [PDF\(952 KB\)](#) IEEE CNF

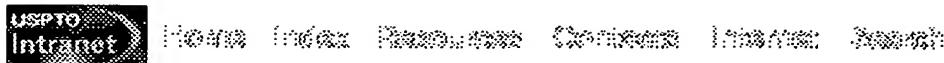
7. **Proceedings. SCCC'99 XIX International Conference of the Chilean Computer Sci**  
Computer Science Society, 1999. Proceedings. SCCC '99. XIX International Conference  
11-13 Nov. 1999  
[AbstractPlus](#) | Full Text: [PDF\(96 KB\)](#) IEEE CNF
8. **A hybrid music retrieval system using belief networks to integrate multimodal qu**  
**contextual knowledge**  
Schuller, B.; Zobl, M.; Rigoll, G.; Lang, M.;  
Multimedia and Expo, 2003. ICME '03. Proceedings. 2003 International Conference on  
Volume 1, 6-9 July 2003 Page(s):I - 57-60 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(369 KB\)](#) IEEE CNF



[Help](#) [Contact Us](#) [Privacy &](#)

© Copyright 2005 IEEE ~

Indexed by  
**Inspec**



## Scientific and Technical Information Center

[Patent Intranet](#) > [NPL Virtual Library](#) > [EIC2100](#)

[Site Feedback](#)

| [NPL Virtual Library Home](#) | [About STIC](#) | [STIC Catalog](#) | [Site Guide](#) | [EIC](#) | [Automation Training/ITRPs](#) | [Contact Us](#) | [STIC Staff](#) |  
[FAQ](#) |



### TC2100: EIC Resources and Services

Tuesday, July 12, 2005

These resources and services provide examiners with access to critical prior art. Most of the electronic resources listed on this page are accessed via the Internet. Please obey USPTO "Rules of the Road ([PDF Text](#))" when using Internet resources.

indicates tools featured in TC's NPL training.

### Information Resources

#### Information Resources by Class and Subclass

##### Databases

[ACM Digital Library](#)

[Business Source Corporate](#)

(Multidisciplinary subject coverage)

[Dialog Classic on the Web](#)

(Training and password required.)

[DTIC STINET](#)

(Citations of Defense Technical Information Center scientific and technical documents)

[EEDD Submission Form](#)

[Examiners' Electronic Digest Database \(EEDD\)](#)

(Database of examiner submitted NPL)

[GrayLIT Network](#)

(Multidisciplinary database of scientific and technical information from DTIC, NASA, DOE, and EPA)

[IEEE Xplore](#)

(Full page images of over 800,000 Electrical & Electronic Engineering articles, papers and standards, 1988 - present. Select content is available from 1952-1987.)

[IEEE Xplore Tutorial](#)

[INSPEC](#)

(Seven million well-indexed physics, EE, and IT abstracts, 1969-present)

[IP.com](#)

(Defensive disclosures published to the Disclosures IP.com database from various websites)

[NTIS \(National Technical Information Service\)](#)

(resource for government-funded scientific, technical, engineering, and business related information)

[ProQuest Digital Dissertations](#)

[Proquest Direct](#)

(Multidisciplinary subject coverage)

[Research Disclosure](#)

(Published monthly as a paper journal and now as an online database product with advanced full

*(text searching capabilities for defensive disclosure information.)*

ScienceDirect [Search Guide]  
*(scientific, technical, and medical journals)*

Software Patent Institute (SPI) (Select "Free Access")  
*(Searchable database of Software Technologies.)*

SPIE Digital Library  
*(journals and proceedings on optics and photonics)*

STN on the Web (training and password required)  
*(The other link is via the Patent Examiner's Toolkit. On your computer, click on the START button, then on the PE Toolkit, then on STN Express.)*

True Query  
*(A resurrected version of the old "Computer Select" database, providing full text access to over 100 technology focused publications, a glossary of technical terms, product reviews and over 60,000 product specifications from 1999 to the present. If html code appears on your screen, click browser's "Reload" or "Refresh" button.)*

## Books and Journals

 Search STIC Online Catalog  
InfoSECURITYnetBASE  
*(Information security)*

Knovel  
*(Applied science and engineering)*

NetLibrary.com  
*(Multidisciplinary subject coverage)*

Safari Online Books  
*(Computer and information technology)*

Springer Publishing Company  
*(biotech, physics, and computer journals)*

## Daily Newspapers

Fulltext newspaper articles are available electronically in Proquest Direct.

## CD-ROM Resources

Older full text NPL resources/articles received in CD-Rom format. These resources are available on EIC2100 PCs in CPK2, 4B40.

## Equipment

Fax (571-273-0044)  
Optical Scanners  
- Use OmniPage Pro software to scan your documents.  
Power Mac G3  
Photocopier

## Reference Tools

Bartleby.com  
*(Several versions of Roget's Thesaurus, a dictionary, an encyclopaedia, quotations, English usage books and more.)*

Computer References  
*(Dictionaries, Acronyms Finders, Encyclopedias)*

Efunda  
*(30,000 pages of engineering fundamentals and calculators)*

Encyclopedia Britannica

Encyclopedia of Software Engineering

Eric Weisstein's World of Mathematics  
*(A comprehensive online encyclopedia of mathematics.)*

HowStuffWorks

(Search a term to find articles that explain how it works.)

The Internet EncyclopediaOver 2000 Glossary Links

(Links to numerous technical, specialty, and general glossaries.)

PCWebopediaThomas RegisterWiley Encyclopedia of Electrical and Electronics EngineeringXreferplusYourdictionary.com

(Numerous "specialty dictionaries"... technological, law, business related and more.)

## Services

EIC2100 StaffForeign Patent ServicesPLUSRequest a PLUS Search

[FW case] [Paper case]

Request a Book/Journal PurchaseRequest a Book or ArticleRequest a Foreign Patent Publication

[e-submit] [Printable form]

Request a Search

[e-submit] [Printable form]

Fast & Focused Search Criteria

STIC Online CatalogTranslation Services

## Web Resources

A Brief History of the Hard Disk DriveCiteSeer (ResearchIndex)

(Full text scientific research papers - in pdf and postscript formats.)

Interfacebus.com

(Listing of Electronic Interface Buses with links to standards and specifications.)

Internet Engineering Task Force

(The IETF Secretariat, run by The Corporation for National Research Initiatives with funding from the US government, maintains an index of Internet-Drafts.)

NanotechnologyPCI Specifications (username: uspto; password: pat222)

("Peripheral Component Interconnect" specifications and white papers.)

Requests for Comments (RFCs) Database

(Requests for Comments (RFC) document series is a set of technical and organizational notes about the Internet (originally the ARPANET), beginning in 1969 and discussing many aspects of computer networking, including protocols, procedures and concepts as well as meeting notes and opinions.)

ScirusUsenet Archive (Google Groups)Wayback Machine

(Archived web pages.)

Submit comments and suggestions to [Anne Hendrickson](#)

To report technical problems, click [here](#)

---

[Intranet Home](#) | [Index](#) | [Resources](#) | [Contacts](#) | [Internet](#) | [Search](#) | [Firewall](#) | [Web Services](#)

Last modified 07/01/2005 09:25:59



[Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

Search:  The ACM Digital Library  The Guide

+ "neural network" + "parallel processing"



## THE ACM DIGITAL LIBRARY

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

### Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

SIGCSE '05

### • Advanced Search

### • Browse the Digital Library:

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

Personalized Services: [Login required](#)

#### My Binders

Save search results and queries. Share binders with colleagues and build bibliographies.

#### TOC Service

Receive the table of contents via email as new issues or proceedings become available.



#### CrossRef Search

Pilot program to create full-text interpublisher searchability.

#### Computing Reviews

Access critical reviews of computing literature.

## THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing.  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide

+ "neural network" + "parallel processing"



## THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used [neural network parallel processing](#)

Found 222 of 157,873

Sort results by  relevance  date  title  author  journal  conference  publisher  subject  citation  reference  index term  full citation  abstract  references  index terms  expanded form  compact form

Save results to a Binder  
Try an [Advanced Search](#)  
Try this search in [The ACM Guide](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale

- 1** [A first undergraduate course in neural networks](#)
- Adel M. Abunawass, Omar Bukhres, Theresia G. Fisher, Kenneth Magel  
February 1990 **ACM SIGCSE Bulletin, Proceedings of the twenty-first SIGCSE technical symposium on Computer science education**, Volume 22 Issue 1
- Full text available: [pdf\(539.33 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

- 2** [Critical issues in mapping neural networks on message-passing multicomputers](#)
- J. Ghosh, K. Hwang  
May 1988 **ACM SIGARCH Computer Architecture News, Proceedings of the 15th Annual International Symposium on Computer architecture**, Volume 16 Issue 2
- Full text available: [pdf\(1.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Connectionist models such as artificial neural systems, offer an intrinsically concurrent computational paradigm. We investigate the architectural requirements for efficiently simulating large neural networks on a multicomputer system with thousands of fine-grained processors and distributed memory. First, models for characterizing the structure of a neural network and the function of individual cells are developed. These models provide guidelines for efficiently mapping the network onto mu ...

- 3** [Spacial classification and multi-spectral fusion with neural networks](#)
- Craig Harston  
May 1991 **Proceedings of the conference on Analysis of neural network applications**
- Full text available: [pdf\(546.63 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

- 4** [Ariel: a scalable multiprocessor for the simulation of neural networks](#)
- Gary Frazier  
March 1990 **ACM SIGARCH Computer Architecture News**, Volume 18 Issue 1
- Full text available: [pdf\(729.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Ariel is a multiprocessor architecture that we are developing to simulate neural networks and other models of distributed computation. The design is based upon a hierarchical network of coarse-grained processing modules. The module hardware uses fast digital signal processors and very large semiconductor memories to provide the throughput and storage capacity required to simulate large networks. Our objective is to provide a system

that can be scaled up to simulate neural networks compose ...

- 5 Real time application of artificial neural network for incipient fault detection of induction machines 

Mo-yuen Chow, Sui Oi Yee

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  pdf(751.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes several artificial neural network architectures for real time application in incipient fault detection of induction machines. The artificial neural networks perform the fault detection in real time, based on direct measurements from the motor, and no rigorous mathematical model of the motor is needed. Different approaches used to develop a reliable fault detector are presented and compared in this paper. The designed networks vary in complexity and accuracy. A high-orde ...

- 6 High speed neural network chip for trigger purposes in high energy physics 

W. Eppler, T. Fischer, H. Gemmeke, A. Menchikov

February 1998 **Proceedings of the conference on Design, automation and test in Europe**

Full text available:  pdf(116.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
 Publisher Site

A novel neural chip SAND (Simple Applicable Neural Device) is described. It is highly usable for hardware triggers in particle physics. The chip is optimized for a high input data rate (50 MHz, 16 bit data) at a very low cost basis. The performance of a single SAND chip is 200 MOPS due to four parallel 16 bit multipliers and 40 bit adders working in one clock cycle. The chip is able to implement feedforward neural networks with a maximum of 512 input neurons and three hidden layers. Kohonen feat ...

**Keywords:** VME board with neural network chip SAND, Hardware accelerator for neural networks, High energy physics : trigger, on- and off-line analysis

- 7 Parallel construction of minimal perfect hashing functions with neural networks 

Jin Wang

March 1993 **Proceedings of the 1993 ACM conference on Computer science**

Full text available:  pdf(672.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The seeking of minimal perfect hashing functions (MPHF) has a long history and conventional construction methods are sequential algorithms. To parallelize the MPHF construction, a new method using neural networks is proposed in this paper. It constructs a MPHF by training a massive array of neural nets, and the training tasks can be carried out simultaneously. As the total MPHF construction time is proportional to the key set size, the new method can be applied to build MPHFs for large key ...

- 8 An integrated system for neural network simulations 

Simon Garth, Danny Pike

March 1988 **ACM SIGARCH Computer Architecture News**, Volume 16 Issue 1

Full text available:  pdf(618.33 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A specialist MIMD parallel processing computer has been constructed for high speed simulation of neural network systems. Custom-designed integrated circuits have been combined with conventional microprocessors to give a machine which is highly tuned for neural network computations but which runs a wide range of commercial software packages. In addition, an operating system is presented which assists in the partitioning of

problems and allows code which has been developed remotely to be run in pa ...

- 9 Decision points in the introduction of parallel processing into the undergraduate curriculum  
William E. Toll  
**March 1995 ACM SIGCSE Bulletin , Proceedings of the twenty-sixth SIGCSE technical symposium on Computer science education**, Volume 27 Issue 1  
Full text available:  pdf(517.92 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 10 Neural networks  
Michael I. Jordan, Christopher M. Bishop  
**March 1996 ACM Computing Surveys (CSUR)**, Volume 28 Issue 1  
Full text available:  pdf(126.76 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

- 11 Conference report: IEEE 1'st Int'l conference on neural networks  
A. Jean Maren  
**March 1988 ACM SIGARCH Computer Architecture News**, Volume 16 Issue 1  
Full text available:  pdf(197.93 KB) Additional Information: [full citation](#), [index terms](#)

- 12 Optimal path analysis using a predator-prey neural network model  
Scott M. Huse  
**June 1990 Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**  
Full text available:  pdf(3.49 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A neural network research effort is currently underway at Rome Air Development Center, the Intelligence and Reconnaissance Division (RADC/IR). Griffiss Air Force Base. The purpose of this research is to solve computationally difficult intelligence exploitation problems that have eluded conventional techniques, e.g., target recognition, battlefield multi-sensor correlation and fusion, and intelligence situation assessment. This paper describes the use of a predator-prey neural net ...

- 13 Biologically based machine learning paradigms: an introductory course  
Adel M. Abunawass  
**March 1992 ACM SIGCSE Bulletin , Proceedings of the twenty-third SIGCSE technical symposium on Computer science education**, Volume 24 Issue 1  
Full text available:  pdf(494.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes an introductory course on biologically based sub-symbolic machine learning paradigms. Specifically, this paper covers Artificial Neural Networks, Genetic Algorithms and Genetics-Based Machine Learning. It provides the structure, motivation, content, texts and tools for the course. This course is suitable for an upper division undergraduate level course or as an introductory graduate course. The paper includes a section on bibliographical references to aid the instructor ...

- 14 A comparative study of neural network algorithms applied to optical character recognition  
P. Patrick van der Smagt

**June 1990 Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  pdf(1.15 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Three simple general purpose networks are tested for pattern classification on an optical character recognition problem. The feed-forward (multi-layer perceptron) network, the Hopfield network and a competitive learning network are compared. The input patterns are obtained by optically scanning images of printed digits and uppercase letters. The resulting data is used as input for the networks with two-state input nodes; for others, features are extracted by template matching and pi ...

**15 Neural networks and artificial intelligence** 

N. E. Sondak, V. K. Sondak

February 1989 **ACM SIGCSE Bulletin , Proceedings of the twentieth SIGCSE technical symposium on Computer science education**, Volume 21 Issue 1

Full text available:  pdf(483.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Neural networks have been called "more important than the atomic bomb" and have received a major funding commitment from DARPA. Nevertheless, it is difficult to find even a mention of neural network concepts and applications in many computer science or information systems curricula. In fact, few computer science or information systems faculty are aware of the profound implications of neurocomputing on the future of their field. This paper contends that neural networks must be a ...

**16 Stuttgart Neural Network Simulator: Exploring connectionism and machine learning with SNNS** 

Ed Petron

July 1999 **Linux Journal**

Full text available:  html(15.83 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**17 Analysing MEG-data by a combination of different neural networks** 

M. Borschbach, W.-M. Lippe, C. Mertens, S. Niendieck

January 2003 **Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19 CRPITS '03**

Full text available:  pdf(9.85 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The localization of intracerebral dipole sources for detecting pathological events is one object of magnetoencephalography (MEG). Another one is the analysis of brain processing and brain structures. We present a system consisting of two different types of Artificial Neural Networks. One for the separation of temporally overlapping sources and the other one for the determination of the different magnetic dipoles.1

**Keywords:** ICA, MEG, neural networks

**18 A constructive algorithm for neural networks that generalize** 

Alvin Surkan, Colin Campbell

January 1998 **ACM SIGAPL APL Quote Quad , Proceedings of the conference on Share knowledge share success**, Volume 28 Issue 4

Full text available:  pdf(650.04 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

APL functions were designed to describe a constructive algorithm that synthesizes a neural network while optimizing its ability to generalize. Algorithms are implemented in programs

to discover networks of binary weights that assign unfamiliar, high-dimension binary patterns to their most similar classes. Constructive algorithms that create networks are important for the design of classifiers based on array-processors made from fast two-level circuits. APL is an effective tool for the exposition ...

- 19 Networks and distributed systems: Distributed scientific computing in Java:  
observations and recommendations

Humphrey Sheil

June 2003 **Proceedings of the 2nd international conference on Principles and practice of programming in Java PPPJ '03**

Full text available:  pdf(81.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The search for techniques to process growing mountains of data efficiently continues apace, nowhere more so than in the field of bioinformatics. Distributed processing represents a practical solution to the search for more powerful architectures that can harness the power of multiple machines to solve a given problem. However this approach brings with it associated problems - selecting the most appropriate language to use in developing the software, development platform and system architecture. Th ...

**Keywords:** Java, Javaspaces, artificial neural networks, bioinformatics, distributed computing, jini, parallel programming

- 20 Neural networks: a new dimension in expert systems applications

Mohammed H. A. Tafti

September 1990 **Proceedings of the 1990 ACM SIGBDP conference on Trends and directions in expert systems**

Full text available:  pdf(922.59 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search:  The ACM Digital Library  The Guide

+ "neural network" + "parallel processing" + "bayesian"

THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used [neural network](#) [parallel processing](#) [bayesian](#)

Found 21 of 157,873

Sort results  
by

relevance

[Save results to a Binder](#)

[Try an Advanced Search](#)

Display  
results

expanded form

[Search Tips](#)

[Try this search in The ACM Guide](#)

Open results in a new window

Results 1 - 20 of 21

Result page: [1](#) [2](#)

Relevance scale

## 1 Neural networks

Michael I. Jordan, Christopher M. Bishop

March 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 1

Full text available: [pdf\(126.76 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



## 2 A survey of data mining and knowledge discovery software tools

Michael Goebel, Le Gruenwald

June 1999 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 1

Full text available: [pdf\(1.28 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)



Knowledge discovery in databases is a rapidly growing field, whose development is driven by strong research interests as well as urgent practical, social, and economical needs. While the last few years knowledge discovery tools have been used mainly in research environments, sophisticated software products are now rapidly emerging. In this paper, we provide an overview of common knowledge discovery tasks and approaches to solve these tasks. We propose a feature classification scheme that can be ...

**Keywords:** data mining, knowledge discovery in databases, surveys

## 3 Evidence-based static branch prediction using machine learning

Brad Calder, Dirk Grunwald, Michael Jones, Donald Lindsay, James Martin, Michael Mozer, Benjamin Zorn

January 1997 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 19 Issue 1

Full text available: [pdf\(515.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Correctly predicting the direction that branches will take is increasingly important in today's wide-issue computer architectures. The name program-based branch prediction is given to static branch prediction techniques that base their prediction on a program's structure. In this article, we investigate a new approach to program-based branch prediction that uses a body of existing programs to predict the branch behavior in a new program. We call this approach to program-based branch prediction ...

**Keywords:** branch prediction, decision trees, machine learning, neural networks, performance evaluation, program optimization

4 Content analysis: Supporting timeliness and accuracy in distributed real-time content-based video analysis

Viktor S. Wold Eide, Frank Eliassen, Ole-Christoffer Granmo, Olav Lysne  
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available:  [pdf\(339.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Real-time content-based access to live video data requires content analysis applications that are able to process the video data at least as fast as the video data is made available to the application and with an acceptable error rate. Statements as this express quality of service (QoS) requirements to the application. In order to provide some level of control of the QoS provided, the video content analysis application must be scalable and resource aware so that requirements of timeliness and ac ...

**Keywords:** QoS and resource management, event-based communication, parallel processing, real-time video content analysis, task graph scheduling

5 Data mining with sparse grids using simplicial basis functions

Jochen Garcke, Michael Griebel  
August 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  [pdf\(808.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Recently we presented a new approach [18] to the classification problem arising in data mining. It is based on the regularization network approach but, in contrast to other methods which employ ansatz functions associated to data points, we use a grid in the usually high-dimensional feature space for the minimization process. To cope with the curse of dimensionality, we employ sparse grids [49]. Thus, only  $O(hn^{1/d-1})$  instead of ...

**Keywords:** approximation, classification, combination technique, data mining, simplicial discretization, sparse grids

6 A review of vessel extraction techniques and algorithms

Cemil Kirbas, Francis Quek  
June 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 2

Full text available:  [pdf\(8.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Vessel segmentation algorithms are the critical components of circulatory blood vessel analysis systems. We present a survey of vessel extraction techniques and algorithms. We put the various vessel extraction approaches and techniques in perspective by means of a classification of the existing research. While we have mainly targeted the extraction of blood vessels, neurovascular structure in particular, we have also reviewed some of the segmentation methods for the tubular objects that show ...

**Keywords:** Magnetic resonance angiography, X-ray angiography, medical imaging, neurovascular, vessel extraction

7 Reports from related meetings: Interface '99: a data mining overview

Arnold Goodman  
January 2000 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2

Full text available:  pdf(851.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This personal overview of Interface '99 is intended to communicate its meaning and relevance to SIGKDD, as well as provide valuable information on trends within the Interface for data miners seeking to learn more about statistics. In addition, it is the newest link in a bridge between the Interface and KDD begun by References 2-4 and the sessions on KDD at Interface '98 and Interface '99.

**Keywords:** review of Interface'99 conference, statistics

**8 Experiments on multistrategy learning by meta-learning** 

Philip K. Chan, Salvatore J. Stolfo

December 1993 **Proceedings of the second international conference on Information and knowledge management**

Full text available:  pdf(1.05 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**9 Computing curricula 2001** 

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available:  pdf(613.63 KB)  html(2.78 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**10 High performance data mining (tutorial PM-3)** 

Vipin Kumar, Mohammed Zaki

August 2000 **Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(8.06 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

**11 MetaCost: a general method for making classifiers cost-sensitive** 

Pedro Domingos

August 1999 **Proceedings of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(1.21 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**12 The KDD process for extracting useful knowledge from volumes of data** 

Usama Fayyad, Gregory Piatetsky-Shapiro, Padhraic Smyth

November 1996 **Communications of the ACM**, Volume 39 Issue 11

Full text available:  pdf(523.49 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**13 The Sample Complexity of Exploration in the Multi-Armed Bandit Problem** 

Shie Mannor, John N. Tsitsiklis

December 2004 **The Journal of Machine Learning Research**, Volume 5

Full text available:  pdf(256.63 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We consider the multi-armed bandit problem under the PAC ("probably approximately

correct") model. It was shown by Even-Dar et al. (2002) that given  $n$  arms, a total of  $O((n/\epsilon^2)\log(1/\delta))$  trials suffices in order to find an  $\epsilon$ -optimal arm with probability at least  $1-\delta$ . We establish a matching lower bound on the expected number of trials under any sampling policy. We furthermore generalize the lower bound, and show an explicit dependence on ...

#### 14 Selected AI-Related Dissertations

July 1989 **ACM SIGART Bulletin**, Issue 109

Full text available:  pdf(1.30 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The following are citations selected by title and abstract as being related to AI, resulting from a computer search, using the BRS Information Technologies retrieval service, of the Dissertation Abstracts International (DAI) database produced by University Microfilms International. The online file includes abstracts, which are not published in this listing, but the citations below do include the DAI reference for finding the abstract in the published DAI. Other elements of the citation are author ...

#### 15 Book reviews

September 2001 **intelligence**, Volume 12 Issue 3

Full text available:  pdf(85.17 KB)  Additional Information: [full citation](#), [references](#), [index terms](#)  
[html\(36.51 KB\)](#)

#### 16 Successful customer relationship management in financial applications (tutorial PM-1)

Steve Gallant, Gregory Piatetsky-Shapiro, Dorian Pyle

August 2000 **Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(6.10 MB) Additional Information: [full citation](#), [index terms](#)

#### 17 Computer science and bioinformatics

Jacques Cohen

March 2005 **Communications of the ACM**, Volume 48 Issue 3

Full text available:  pdf(102.10 KB)  Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
[html\(30.40 KB\)](#)

In barely half a century computer science has grown from infancy to maturity. Employment in computer science was assured until a few years ago. Today, however, like in the 1960s, when demand for physicists waned, computer scientists are eager to explore new possibilities in promising fields. Biology and its related disciplines like bioinformatics are at the top of the list.

#### 18 Computing as a discipline

D. E. Comer, David Gries, Michael C. Mulder, Allen Tucker, A. Joe Turner, Paul R. Young  
February 1989 **Communications of the ACM**, Volume 32 Issue 1

Full text available:  pdf(1.68 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The final report of the Task Force on the Core of Computer Science presents a new intellectual framework for the discipline of computing and a new basis for computing curricula. This report has been endorsed and approved for release by the ACM Education Board.

#### 19 Simulation optimization: methods and applications

Yolanda Carson, Anu Maria

**December 1997 Proceedings of the 29th conference on Winter simulation**Full text available:  pdf(1.04 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**20 The knowledge grid**

Mario Cannataro, Domenico Talia

January 2003 **Communications of the ACM**, Volume 46 Issue 1Full text available:  pdf(109.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)[html\(26.74 KB\)](#)

Designing, building, and implementing an architecture for distributed knowledge discovery.

Results 1 - 20 of 21

Result page: **1** [2](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:

 [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#)[Real Player](#)

**PORTAL**  
USPTO

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide

+ "neural network" + "parallel processing" + "bayesian"

**THE ACM DIGITAL LIBRARY**

 [Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used [neural network](#) [parallel processing](#) [bayesian](#)

Found 21 of 157,873

Sort results by   [Save results to a Binder](#)  
 Display results   [Search Tips](#)  
 [Open results in a new window](#)

Try an [Advanced Search](#)  
 Try this search in [The ACM Guide](#)

Results 21 - 21 of 21

Result page: [previous](#) [1](#) [2](#)

Relevance scale 

## 21 Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith  
 February 1980 **ACM SIGART Bulletin**, Issue 70

Full text available:  [pdf \(13.13 MB\)](#) Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Second ...

Results 21 - 21 of 21

Result page: [previous](#) [1](#) [2](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

Search:  The ACM Digital Library  The Guide

Tamura

[SEARCH](#)

## THE ACM DIGITAL LIBRARY

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

### Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

[SIGCSE '05](#)

### • [Advanced Search](#)

### • [Browse the Digital Library:](#)

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

Personalized Services: [Login required](#)

### [My Binders](#)

Save search results and queries. Share binders with colleagues and build bibliographies.

### [TOC Service](#)

Receive the table of contents via email as new issues or proceedings become available.



### [CrossRef Search](#)

Pilot program to create full-text interpublisher searchability.

## Computing Reviews

Access critical reviews of computing literature.

## THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing.  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

 **PORTAL**  
USPTO

[Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide  
+ "Tamura"

**THE ACM DIGITAL LIBRARY**

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

**Recently loaded issues and proceedings:**

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

SIGCSE '05

• [Advanced Search](#)

• [Browse the Digital Library:](#)

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

**Personalized Services:** [Login required](#)

 [My Binders](#)

Save search results and queries. Share binders with colleagues and build bibliographies.

 [TOC Service](#)

Receive the table of contents via email as new issues or proceedings become available.



[CrossRef Search](#)  
Pilot program to create full-text interpublisher searchability.

 [Computing  
Reviews](#)

Access [critical reviews](#) of computing literature.

**THE GUIDE TO COMPUTING LITERATURE**

**Bibliographic collection from major publishers in computing.**  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

**PORTAL**

Subscribe (Full Service) Register (Limited Service, Free) Login

Search:  The ACM Digital Library  The Guide

+ "Tamura"

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Term used Tamura Found 280 of 157,873

Sort results by relevance  Save results to a Binder

Display results expanded form  Search Tips  Open results in a new window

Try an Advanced Search Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: 1 2 3 4 5 6 7 8 9 10 next

Best 200 shown Relevance scale

**1 Posters and Short Papers: LinStar.texture: a fuzzy logic CBIR system for textures**   
 Hsin-Chih Lin, Chih-Yi Chiu, Shi-Nine Yang  
 October 2001 **Proceedings of the ninth ACM international conference on Multimedia**  
 Full text available:  pdf(8.40 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
 In this study, we propose a fuzzy logic CBIR system for textures, named LinStar Texture (i.e., Linguistic Star for Textures). The proposed system consists of two major phases, including database creation and query comparison. In the database creation phase, six Tamura features are extracted to describe each texture image in the database. A term set on each Tamura feature is generated through a fuzzy clustering algorithm so that degrees of appearance for the feature can be interpreted as five lin ...  
**Keywords:** content-based image retrieval (CBIR), fuzzy clustering, linguistic term, semantic gap, tamura feature, term set

**2 Dynamic remote memory acquisition for parallel data mining on ATM-connected PC cluster**   
 Masato Oguchi, Masaru Kitsuregawa  
 May 1999 **Proceedings of the 13th international conference on Supercomputing**  
 Full text available:  pdf(955.02 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**3 Demonstrations (video): interactions beyond the mouse: Welbo: an embodied conversational agent living in mixed reality space**   
 Mahoro Anabuki, Hiroyuki Kakuta, Hiroyuki Yamamoto, Hideyuki Tamura  
 April 2000 **CHI '00 extended abstracts on Human factors in computing systems**  
 Full text available:  pdf(272.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#)  
 This paper introduces a new type of anthropomorphic agent that lives in a 3D space where the real and virtual worlds are seamlessly merged. In this mixed reality (MR) space, people wearing a see-through head-mounted display can interact with both physical and virtual objects in real time. In this type of MR space, an embodied conversational agent, named "Welbo," is implemented to study how agent technology contributes. This agent has several unique features, compared with the conventional desktop ...  
**Keywords:** anthropomorphic agent, augmented reality, human interface design, mixed

reality, multi-modal interface

4 Hierarchical microprogram generating system

Eiji Tamura, Mario Tokoro

November 1979 **ACM SIGMICRO Newsletter , Proceedings of the 12th annual workshop on Microprogramming**, Volume 10 Issue 4

Full text available:  pdf(1.04 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A general purpose microprogram generating system has been developed to compose, together with a hardware/microprogram debugger, a general purpose development support system for LSI Processor Modules such as Am2900, MMI6700, and/or MACROLOGIC. The microprogram generator, designed to be applicable to a wide variety of microinstruction sets from vertical to horizontal including sophisticated control schemes like pipelining, has a three-level hierarchical structure. The lowest level generator i ...

5 Capability of current supercomputers for the computational fluid dynamics

K. Fujii, Y. Tamura

August 1989 **Proceedings of the 1989 ACM/IEEE conference on Supercomputing**

Full text available:  pdf(1.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The computer code named LANS3D, one of the representative Navier-Stokes codes in Japan, is taken as a example and the capability of the current CFD technology is discussed. This code was developed for the numerical simulation of high-Reynolds number compressible flows. The algorithm used in this code and how it has been improved so far explain two important aspects of the computational fluid dynamics (CFD) codes: efficiency and accuracy. Some of the application examples show the cap ...

6 A virtual memory system for picture processing

Ben Tsutom Wada

May 1984 **Communications of the ACM**, Volume 27 Issue 5

Full text available:  pdf(913.52 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A virtual memory system designed specifically for picture processing, Raster Handler 2 provides programs with efficient access to pixels. It features square partition of images, imbalanced allocation of frames, and nondemand page replacement. RH2 is implemented in software and incorporates a prepaging algorithm designed specifically for picture processing.

**Keywords:** fault rate function, nondemand page replacement, picture processing, special-purpose memory hierarchy, virtual array

7 Simulation-based constraint generation with applications to optimization of logistic system design

Susumu Morito, Jun Koida, Tsukasa Iwama, Masanori Sato, Yosiaki Tamura

December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--- a bridge to the future - Volume 1**

Full text available:  pdf(352.16 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Probability models for genome rearrangement and linear invariants for phylogenetic inference

David Sankoff, Mathieu Blanchette

**April 1999 Proceedings of the third annual international conference on Computational molecular biology**

Full text available:  pdf(1.04 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



- 9 VideoQ: an automated content based video search system using visual cues**

Shih-Fu Chang, William Chen, Horace J. Meng, Hari Sundaram, Di Zhong

November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available:  pdf(1.67 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



- 10 Video parsing, retrieval and browsing: an integrated and content-based solution**

H. J. Zhang, C. Y. Low, S. W. Smoliar, J. H. Wu

January 1995 **Proceedings of the third ACM international conference on Multimedia**

Full text available:  htm(51.17 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** database, multimedia, video browsing, video indexing, video parsing, video retrieval

- 11 Some scheduling techniques and an easily schedulable horizontal architecture for high performance scientific computing**

B. R. Rau, C. D. Glaeser

December 1981 **ACM SIGMICRO Newsletter , Proceedings of the 14th annual workshop on Microprogramming**, Volume 12 Issue 4

Full text available:  pdf(1.19 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Horizontal architectures are attractive for cost-effective, high performance scientific computing. They are, however, very difficult to schedule. Consequently, it is difficult to develop compilers that can generate efficient code for such architectures. The polycyclic architecture has been developed specifically to make the task of scheduling easy. As a result, it has been possible to develop a powerful scheduling algorithm that yields optimal and near-optimal schedules for iterative comput ...

- 12 Parallel database processing on a 100 Node PC cluster: cases for decision support query processing and data mining**

Takayuki Tamura, Masato Oguchi, Masaru Kitsuregawa

November 1997 **Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  pdf(157.74 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



We developed a PC cluster system consists of 100 PCs. Each PC employs the 200MHz Pentium Pro CPU and is connected with others through an ATM switch. We picked up two kinds of data intensive applications. One is decision support query processing. And the other is data mining, specifically, association rule mining. As a high speed network, ATM technology has recently come to be a de facto standard. While other high performance network standards are also available, ATM networks are widely used from ...



- 13 Knowledge-based optimization in Prolog compiler**

Naoyuki Tamura

November 1986 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available:  pdf(326.33 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**14 A very fast prolog compiler on multiple architectures**

Toshiaki Kurokawa, Naoyuki Tamura, Yasuo Asakawa, Hideaki Komatsu

November 1986 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available:  pdf(497.63 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



**15 A text input front-end processor as an information access platform**

Shinichi Doi, Shin-ichiro Kamei, Kiyoshi Yamabana

August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 1 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1**

Full text available:  pdf(648.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#)  
 Publisher Site

This paper presents a practical foreign language writing support tool which makes it much easier to utilize dictionary and example sentence resources. Like a Kana-Kanji conversion front-end processor used to input Japanese language text, this tool is also implemented as a front-end processor and can be combined with a wide variety of applications. A morphological analyzer automatically extracts key words from text as it is being input into the tool, and these words are used to locate information ...

**16 Web community mining and web log mining: commodity cluster based execution**

Masaru Kitsuregawa, Masashi Toyoda, Iko Pramudiono

January 2002 **Australian Computer Science Communications , Proceedings of the thirteenth Australasian conference on Database technologies - Volume 5 CRPITS '02, Volume 24 Issue 2**

Full text available:  pdf(801.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The emergence of WWW has drawn new frontiers for database research. Web mining has become a hot topic since WWW rapid expansion rate and chaotic nature have exposed some technical challenges as well as interesting discoveries. In general web mining can be classified into web structure mining and web usage mining. Here we introduce two applications of web mining, first from mining the web structure we identify web communities, and the second we mine web usage of mobile internet users on location ...

**Keywords:** PC cluster, parallel mining, web community, web mining



**17 Papers: A method for abstracting newspaper articles by using surface clues**

Hideo Watanabe

August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 2**

Full text available:  pdf(583.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a system which automatically creates an abstract of a newspaper article by selecting important sentences of a given text. To determine the importance of a sentence, several superficial features are considered, and weights for features are determined by multiple-regression analysis of a hand processed corpus.

**18**

**Pipelined OR-parallelism architecture for parallel execution of Prolog**



D. Sarma, C. P. Wu

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  [pdf\(1.14 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a parallel architecture to implement PROLOG. The architecture considered here takes advantage of the OR-parallelism inherent in the language. In usual OR-parallelism architecture, multiprocessors are used to work on a relation of the database at the same time. In the pipeline OR-parallelism, a relation of the database is processed by only one of the multiprocessors at one time. As soon as a solution is found, the resolution goes forward and works on the goal down the go ...

**19 An interactive translation support facility for non-professional users** 

Yamabana Kiyoshi, Muraki Kazunori, Kamei Shin-ichiro, Satoh Kenji, Doi Shinichi, Tamura Shinko

March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Full text available:  [pdf\(847.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)  
 [Publisher Site](#)

We present an interactive translation method to support non-professional users to write an original document. The method, combining dictionary lookup function and user-guided stepwise interactive machine translation, allows the user to obtain clear result with an easy operation. We implemented the method as an English writing support facility that serves as a translation support front-end to an arbitrary application.

**20 Issues of the design of a low level microprogramming language for global microcode compaction** 

Michael D. Poe, Ross Goodell, Simon Steely

December 1981 **ACM SIGMICRO Newsletter , Proceedings of the 14th annual workshop on Microprogramming**, Volume 12 Issue 4

Full text available:  [pdf\(599.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Microcode compaction, or packing, is the process of assigning microoperations to microwords so that the minimum number of microwords and execution time is used by the microprogram. The techniques for global microcode compaction have been described elsewhere (see below). This paper describes a proposal for an intermediate level language approach to compilation which allows machine independent global compaction. We will call the program which does this compaction the packer. This work comes f ...

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

Search:  The ACM Digital Library  The Guide

+ "Raymond M. Tamura"

[SEARCH](#)

## THE ACM DIGITAL LIBRARY

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

### Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

[ITiCSE '05](#)

### • [Advanced Search](#)

### • [Browse the Digital Library:](#)

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

Personalized Services: [Login required](#)

#### [My Binders](#)

Save search results and queries. Share binders with colleagues and build bibliographies.

#### [TOC Service](#)

Receive the table of contents via email as new issues or proceedings become available.



#### [CrossRef Search](#)

Pilot program to create full-text interpublisher searchability.

## Computing Reviews

Access [critical reviews](#) of computing literature.

## THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing.  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)



The ACM Portal logo features the word "PORTAL" in large, stylized letters with a gear-like texture. A smaller "USPTO" watermark is visible at the bottom left of the logo area.

Subscribe (Full Service) Register (Limited Service, Free) Login  
Search:  The ACM Digital Library  The Guide  
+ "Raymond M. Tamura"

## Nothing Found

Your search for **+"Raymond M. Tamura"** did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

### Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)

 [Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide  
+"R. M. Tamura"

**THE ACM DIGITAL LIBRARY**

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

**Recently loaded issues and proceedings:**

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

[ITiCSE '05](#)

- [Advanced Search](#)

- [Browse the Digital Library:](#)

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

**Personalized Services:** [Login required](#) [My Binders](#)

Save search results and queries. Share binders with colleagues and build bibliographies.

 [TOC Service](#)

Receive the table of contents via email as new issues or proceedings become available.

[CrossRef Search](#)

Pilot program to create full-text interpublisher searchability.

  
**Computing  
Reviews**

Access [critical reviews](#) of computing literature.

**THE GUIDE TO COMPUTING LITERATURE**

**Bibliographic collection** from major publishers in computing.  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

The ACM Portal logo is located at the top left. It features a stylized gear icon followed by the word "PORTAL" in large, bold, white letters. Below "PORTAL" is the acronym "USPTO". To the right of the logo is a horizontal menu bar with links: "Subscribe (Full Service)", "Register (Limited Service, Free)", and "Login". Below the menu is a search bar with the placeholder text "+\"R. M. Tamura\"". There are two radio buttons next to the search bar: one labeled "The ACM Digital Library" and another labeled "The Guide". A small "SEARCH" button is located to the right of the search bar.

## Nothing Found

Your search for +"R. M. Tamura" did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

### Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Free, Limited Service\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide

+ "R.M. Tamura"



## THE ACM DIGITAL LIBRARY

Full text of every article ever published by ACM.

- [Using the ACM Digital Library](#)
- [Frequently Asked Questions \(FAQ's\)](#)

## Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Proceedings of the 10th annual SIGCSE conference on  
Innovation and technology in computer science  
education

SIGCSE '05

### • [Advanced Search](#)

### • [Browse the Digital Library:](#)

- [Journals](#)
- [Magazines](#)
- [Transactions](#)
- [Proceedings](#)
- [Newsletters](#)
- [Publications by Affiliated Organizations](#)
- [Special Interest Groups \(SIGs\)](#)

**Personalized Services:** [Login required](#)

#### [My Binders](#)

Save search results and queries. Share binders with colleagues and build bibliographies.

#### [TOC Service](#)

Receive the table of contents via email as new issues or proceedings become available.



#### [CrossRef Search](#)

Pilot program to create full-text interpublisher searchability.

## Computing Reviews

Access [critical reviews](#) of computing literature.

## THE GUIDE TO COMPUTING LITERATURE

**Bibliographic collection** from major publishers in computing.  
[Go to The Guide](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)



The ACM Portal logo features the word "PORTAL" in large, bold, white letters with a registered trademark symbol (®) above the letter "P". Below "PORTAL" is the acronym "USPTO" in smaller white letters. To the left of the logo is a circular seal with the letters "USPTO" and a small figure.

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

**Search:**  The ACM Digital Library  The Guide

## Nothing Found

Your search for +"R.M. Tamura" did not return any results.

You may want to try an [Advanced Search](#) for additional options.

Please review the [Quick Tips](#) below or for more information see the [Search Tips](#).

### Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)